

**MATERIALS SPECIFICATION
FOR
IN-LINE STRAINERS**

1. General:

All flanged in-line basket strainers shall be fabricated from cast iron in accordance with ASTM A 48. The strainers shall be approved by the NFPA and/or Underwriters Laboratories and shall be used for turbine meters where required by 6.18.

2. Flanges:

The strainer flanges shall be fabricated in accordance with ASTM A 126. They shall be faced and drilled in accordance with ANSI B16.1, Class 125.

3. Cover Plates:

The strainers shall be provided with a removable bolted top cover plate for inspection and removal of basket and debris. A 3/4 inch drain valve and an 3/4 inch vent valve shall be provided on the bottom and the top, respectively.

4. Baskets:

Strainer baskets shall be fabricated from UNS S31600 or high impact plastic, and shall have a net open area of at least 4 times the nominal size of the pipe in which the strainer is installed. The basket shall be easily removed from the strainer for periodic inspection and maintenance.

5. Operating Pressure:

The strainers shall be noted for a minimum operating pressure of 150 psig. Maximum head loss shall be 4 psi at maximum rated flow capacity.